**List of databases:**

1. A database for trekkers – trekkers, event organiser, admins
2. A database for some non-profit organisation – members, outsiders, admins
3. A database for a gated community – tenants, home owners, leasing agent, admins

Below details are contained in the documents;

User groups

Kind of data

Where the data is used

Task performed by user group

Types of attributes used to perform the task

Kind of questions or queries they make

1. **Trekkers database:**

A trekker is a person who will go for a trip of trekking or hiking mountains. These people will often look for other trekkers who can accompany them so that they can explore various spots and gather experience. This experience will help them for the next trekking event.

A database for trekkers is used by the people who trek, by the trip organiser and the admin. It must have tables for storing trekker details, tour details, current trip, organiser details, archived trips, login details. The kinds of data stored are characters, numbers, regular expressions, dates. The data is used in the websites by different kinds of user based on their requirement.

The attributes of trekker details are trekker id, name, date of birth, age, gender, address, phone, email, total treks. The attributes of tour details are tour id, name of the tour, from date, to date, number of trekkers. The attributes of current trip are trip id, trekker id, tour id, number accompanied, budget allocated. The organiser details are organiser id, organiser name, trip allocated. The attributes of archived trips are trip id, organiser id, number of trekkers, total cost.

The trekkers may search for current trips, old trips and other trekkers. The trip organiser looks for trekkers, searches for old and current trip. The admin adds, updates or deletes new trips, new organisers, new trekker details.

1. **Non-profit organisation database:**

A non-profit organisation the one which does various activities to help the poor, needy and physically challenged within a society. They do activities like donating food, clothes and necessities for life. They also conduct drives and camps for blood donation. They also do various other activities for the welfare of the society and each activity can have a database table created for the audit purpose and future references.

A database for any non-profit organisation can be used by the members of the organisation, any common man and the admin. The database will contain tables for storing member details, admin details, locality details, service activities, personal details. The kinds of data stored are characters, numbers, regular expressions, dates.

The attributes of member details are member id, name, date of birth, age, email, phone. The admin details will contain the admin id, name, login name, login password. The locality details will contain the locality id, locality name, address, phone number, coordinator id, coordinator name. The service activities consist of activities done by the organisation. The table will have the activity id, activity name, venue of the activity, date. The personal details table will have the personal details of the members like member id, address, phone, occupation, qualifications, role in the organisation, extracurricular activities.

The member will look for upcoming service activity, update address or phone. The admin will insert, update and delete details in all the tables accordingly. Any person can register to the organisation and become member, search for service activities and participate.

1. **Gated community database:**

A gated community is a residential area where they have private streets and resources inside. These resources cannot be used by outsiders without the property owner. They have their own swimming pool, community hall, party place, club house, gym etc.

A gated community database would be very much helpful for builders or promoters. The database can be used by many people like home owners, leasing agent, tenants and admins. The kinds of data stored are characters, numbers, regular expressions, dates.

The database will contain the details of all the houses in the community like id, house number, street, if occupied, rent or lease, amount. There will be a table to hold the tenant details like tenant id, name, house id, phone, email. Another table to contain admin details like admin id, name, login user, password.

The home owners or leasing agents will look for tenants and house details which are ready to occupy. The tenants will look for other tenants and home owner details. The admins will update or delete the details accordingly.